

D304 BACHELOR OF SCIENCE/ MASTER OF TEACHING (SECONDARY)



FACULTY OF SCIENCE, ENGINEERING AND BUILT ENVIRONMENT/ FACULTY OF ARTS

FOR STUDENTS COMMENCING TRIMESTER 1 2020

Name: Student ID:

Updated: 12/11/2019

When you first enrol via StudentConnect and go through the enrolment steps, you may be able to simply confirm any units that are pre-populated for you. You can also add any that you need to do, as part of your first year's enrolment – by using the information on this map and in the Handbook.

YEAR 1 Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

YEAR 2 Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

YEAR 3 Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

YEAR 4 Year: <input type="text"/>	Trimester 1				
	Trimester 2				
	Trimester 3				

FOR USE ONLY WHEN UNDERTAKING A CONSULTATION WITH A STUDENT ADVISER:

Student ID:		Name:			
Deakin email:		Preferred contact no:			
Year commenced:	eCOE (If applicable):	Campus:	Mode:	Date modified:	
Student Adviser:					

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SCIENCE MAJOR SEQUENCES

Animal Biology (MJ-S000064)
SLE132 Biology: Form and Function
SLE204 Animal Diversity
SLE205 Vertebrate Structure and Function
SLE315 Marine Animal Physiology
SLE307 Behavioural Ecology (Tri-3)
SLE370 Evolution

Chemistry and Materials Science (MJ-S000066)
SLE210 Chemistry the Enabling Science *
SLE214 Organic Chemistry
SLE235 Chemical Systems (Tri-3)
SLE212 Biochemistry
SLE330 Materials Chemistry
SLE338 Electrochemistry for a Sustainable Future

* prerequisite unit applies (SLE155 Chemistry for the Professional Sciences)

Genomics (MJ-S000075)
SLE234 Microbiology
SLE254 Genetics and Genomics
SLE228 Forensic Genomics
SLE340 Genomes and Bioinformatics
SLE321 Molecular Biology Techniques
SLE341 Ecological and Conservation Genetics

Human Biology (MJ-S000068)
SLE132 Biology: Form and Function
SLE254 Genetics and Genomics
SLE211 Principles of Physiology
SLE221 Systems Physiology
SLE323 Advanced Topics in Biomedical Science
SLE339 Human Genetics and Genomics OR SLE340 Genomes and Bioinformatics

Plant Biology (MJ-S000070)
SLE132 Biology: Form and Function
SLE203 Environmental Biology
SLE237 Biogeography (Tri-3)
SLE310 Pest Plants and Animals
SLE317 Australian Vegetation and Its Management
SLE370 Evolution

Cell Biology (MJ-S000065)
SLE212 Biochemistry*
SLE254 Genetics and Genomics
SLE206 Cell Biology
SLE222 Biochemical Metabolism
SLE346 Molecular Basis of Disease
SLE340 Genomes and Bioinformatics OR SLE321 Molecular Biology Techniques

Environmental Science (MJ-S000011)
SLE102 Physical Geography
SLE239 Introduction to Geographic Information Systems
SLE231 Hydrology and Water Resources Management
SLE202 Landscape Evolution
SHD301 Creating Sustainable Futures
SLE322 Landscape Ecology

Geography (MJ-S000074)
SLE102 Physical Geography
AIG103 People and Place: An Introduction to Human Geography
SLE202 Landscape Evolution
SLE237 Biogeography (Tri-3)
SLE328 Oceans, Coasts and Climate Change
AIG300 Australian Urban Geography: National and International Perspectives

Mathematical Modelling (MJ-S000007)
SIT192 Discrete Mathematics
SIT194 Introduction to Mathematical Modelling
SIT291 Mathematical Methods for Information Modelling
SIT292 Linear Algebra for Data Analysis
SIT396 Complex Analysis
SIT399 Optimization Modelling and Decision Analysis

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Education Electives List A

EDU201	Educational Psychology
EDU202	Educators and Learners
EDU203	Literacy, Numeracy and Education
EDU301	Culture, Diversity and Participation in Education
EDU302	Education and Humanitarian Development
EDU303	Education, Communication and Technology

Secondary Curriculum Study Units

All Secondary candidates will have two methods (disciplines) as reflected in their undergraduate major and minor sequences related to the Australian Curriculum.

Candidates undertake two curriculum studies units (as prescribed) per method (four units for dual/double), across one or two learning areas.

Note: D304 permits a choice between learning areas 2 or 3 from the Secondary Curriculum learning areas of 1:English, 2:Mathematics, 3:Science, 4:Humanities, 5:Languages, 6:Health and PE, 7:The Arts.

Learning Area 2: Mathematics

Single method: Mathematics

ESM724 Mathematics Curriculum Inquiry

ESM725 Mathematics Curriculum Inquiry Senior Years

Learning Area 3: Science

Single method: One of Science, Biology, Chemistry, Env. Science

ESS744 Science Curriculum Inquiry

Plus one of

ESS767 Biology Curriculum Inquiry Senior Years

ESS768 Chemistry Curriculum Inquiry Senior Years

ESS742 Environmental Science Curriculum Inquiry Senior Years

ESS755 General Science Curriculum Inquiry Senior Years

Dual method: Two of Science, Biology, Chemistry, Env. Science

ESS744 Science Curriculum Inquiry

ESS741 Sustainability and Environmental Education

Plus two of

ESS767 Biology Curriculum Inquiry Senior Years

ESS768 Chemistry Curriculum Inquiry Senior Years

ESS742 Environmental Science Curriculum Inquiry Senior Years

ESS755 General Science Curriculum Inquiry Senior Years

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D304 course rules - In order to qualify for the award of Bachelor of Science/ Master of Teaching (Secondary) (D304), students must complete 36 credit points, comprising of 24 credit points from the Bachelor of Science, and 12 credit points from the Master of Teaching:

AAI018 Academic Integrity (0-credit-point compulsory unit)

ELN010 LANTITE Literacy (0-credit-point compulsory unit)

ELN011 LANTITE Numeracy (0-credit-point compulsory unit)

Bachelor Level Studies:

7 credit points of core science units;

2 credit points of units as follows: students who have not completed Year 12 Chemistry or equivalent take SLE133 and SLE155; students who completed Year 12 Chemistry or equivalent take SLE155 and 1 cp elective (must be Science course grouped);

A 6 credit point approved Science major sequence selected from either of the following 2 groups: Major Group 1:- Animal Biology, Cell Biology, Genomics, Human Biology and Plant Biology; Major Group 2: - Chemistry and Materials Science; Environmental Science; Geography; Mathematical Modelling;

5 credit points of units chosen from the other group of Science majors listed above. ***Note: Students taking a major sequence in Group 1 must choose these 5 units from one of majors in Group 2. Students taking a major sequence in Group 2 must choose these 5 units from one of majors in Group 1;**

Students must complete both units: SLE010 Laboratory and Fieldwork Safety Induction Program (0-credit point unit) and STP010 Introduction to Work Placement (0-credit point unit); and

4 credit points selected from Education Electives List A

Postgraduate Level Studies

7 core teaching units (8 credit points);

2 curriculum study units in first teaching specialist area; and

2 curriculum study units in second teaching specialist area.

Completion of 60 days of supervised professional experience

GENERAL INFORMATION

This course map is a guide only. You must, in addition to using this map, ensure you meet the course rules and structure as set out in the official University Handbook - of the year you commenced your course (deakin.edu.au/handbook).

Not all units are available in all study periods or mode of delivery. Full time study is typically three to four units (or credit points) each study period – this is a typical enrolment pattern. Part time study is typically one to two units (or credit points) each study period – this enrolment pattern of study will extend the duration of your studies. Trimester 3 is typically an optional study period - unless it's your first study period and/or a compulsory study period for your course (see your course structure in the [Handbook](#)).

Each year's unit offerings options can be found via 'Advanced Unit Search' in the most current year's Handbook.

If you have applied for or received credit for units as recognition of your prior learning (**RPL**), it may alter your course pattern and the units you need to undertake.

Please seek advice from a Student Adviser in StudentCentral if you have any queries or need help understanding your course structure and unit choices.

SPECIFIC COURSE INFORMATION

Compulsory zero (0) credit point units/programs/modules - SLE010 Laboratory and Fieldwork Safety Induction Program and STP010 Introduction to Work Placement. ALSO Two zero (0) credit point units ELN010 and ELN011 as part of the Literacy and Numeracy Test for Initial Teacher Education (LANTITE) and AAI018 Academic Integrity (0-credit-point compulsory unit) in order to graduate from their course.

Students cannot progress to the postgraduate level of study without completing all 24 credit points at undergraduate level. A WAM of less than 60 results in an alternative exit from D303 with award S320 Bachelor of Science.

*These units contribute towards the course requirement of 60 days of supervised professional experience (refer to handbook for number of days required in each unit indicated)

Notes

KEY

B Melbourne Burwood Campus
S Geelong Waterfront Campus
G Geelong Wairn Ponds Campus
W Warrnambool Campus
X Cloud Campus

eCOE electronic confirmation of enrolment